



SEQUENCE LISTING

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<120> PRODUCTION OF ATTENUATED CHIMERIC RESPIRATORY SYNCYTIAL VIRUS VACCINES FROM CLONED NUCLEOTIDE SEQUENCES

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<141> 1999-04-13

<150> US 08/892,403

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<150> US 60/047,634

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<170> PatentIn Ver. 2.0

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<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:

Positive-sense M gene fragment

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33

<210> 4

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:

Negative-sense M gene fragment

<400> 4

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31

<210> 5
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Positive-sense primer upstream of SH gene

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gaaagtatat attatgtt 18

<210> 6
<211> 20
<212> DNA
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<220>
<223> Description of Artificial Sequence:
Negative-sense primer downstream of SH gene

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<210> 7
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
Positive-sense M gene fragment

<400> 7
actcaaataa gttaat 16

<210> 8
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<220>
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Negative-sense M gene fragment

<400> 8
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<210> 9
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<223> Description of Artificial Sequence: Forward PCR primer for NS1 gene deletion

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gacacaaccc acaatgataa tacaccac 28

<210> 10
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<220>
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<400> 10
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<210> 11
<211> 27
<212> DNA
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<220>
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<400> 11
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<210> 12
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Reverse PCR primer for NS2 gene deletion

<400> 12
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<210> 13
<211> 33
<212> DNA
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<220>
<223> Description of Artificial Sequence: Forward PCR primer for ablation of G gene start site

<400> 13
ttataattgc agccatcata ttcatagcct cgg 33

<210> 14
<211> 30
<212> DNA
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<220>
<223> Description of Artificial Sequence: Reverse PCR primer for ablation of G gene start site

<400> 14
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<210> 15
<211> 48
<212> DNA
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<220>
<223> Description of Artificial Sequence:
Positive-sense primer for intergenic region preceding the G gene

<400> 15
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<210> 16
<211> 51
<212> DNA
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Negative-sense primer for intergenic region downstream of F gene

<400> 16

gtgttggatc ctgattgcac gcttgaggtt tttatgtaac tatgagttaa g

51

<210> 17

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: G gene-end
signal

<400> 17

agtatttcaa aaa

13

<210> 18

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Positive-sense
primer with G gene-end and F gene-start signals

<400> 18

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48

<210> 19

<211> 46

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:
Negative-sense primer with G gene-end and F
gene-start signals

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46

<210> 20

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: F gene-end
signal of RSV A2

<400> 20
agttatataa aa

12

<210> 21
<211> 13
<212> DNA
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<223> Description of Artificial Sequence: G gene-end
signal of RSV A2

<400> 21
agttacttaa aaa

13